

Title (en)

TREATMENT OF SOLUTIONS OR WASTEWATER

Title (de)

BEHANDLUNG VON LÖSUNGEN ODER ABWASSER

Title (fr)

TRAITEMENT DE SOLUTIONS OU D'EAUX USÉES

Publication

**EP 2365941 A4 20130626 (EN)**

Application

**EP 09820106 A 20091015**

Priority

- AU 2009001356 W 20091015
- AU 2008905338 A 20081015

Abstract (en)

[origin: WO2010042987A1] A method for treating a wastewater stream containing organic material or inorganic material comprising passing the wastewater stream to an anode or a cathode of a bioelectrochemical system to thereby alter the pH of the wastewater stream to: a) reduce the pH of the stream passed to the anode to minimise or suppress precipitation of dissolved cations; or b) increase the pH of the stream passed to the cathode to produce an alkaline stream; or c) reduce the pH of the stream passed to the anode to produce an acid containing stream. In one embodiment, a caustic soda solution is produced at the cathode and recovered for storage and subsequent use.

IPC 8 full level

**C02F 1/46** (2006.01); **H01M 8/02** (2006.01)

CPC (source: EP US)

**C02F 1/4618** (2013.01 - EP US); **C02F 1/66** (2013.01 - EP US); **C02F 3/005** (2013.01 - EP US); **H01M 8/16** (2013.01 - EP US); **C02F 1/46** (2013.01 - EP); **C02F 3/28** (2013.01 - EP); **C02F 3/286** (2013.01 - EP US); **C02F 9/00** (2013.01 - EP US); **C02F 2001/46133** (2013.01 - EP US); **C02F 2201/46115** (2013.01 - EP US); **C02F 2201/46125** (2013.01 - EP US); **C02F 2201/46165** (2013.01 - EP US); **C02F 2201/4618** (2013.01 - EP US); **C02F 2209/06** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP US); **Y02W 10/37** (2015.05 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2010042987A1

Cited by

CN110054348A; CN105060630A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010042987 A1 20100422**; AU 2009304585 A1 20100422; BR PI0920104 A2 20151222; CA 2739627 A1 20100422; CN 102224109 A 20111019; CN 102224109 B 20130918; EP 2365941 A1 20110921; EP 2365941 A4 20130626; JP 2012505733 A 20120308; US 2011315561 A1 20111229

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